

Claims

1. Master cylinder (10) for a vehicle hydraulic brake system having
- a housing (12), which has a bore (14), which extends along a longitudinal axis (A) and which is sealingly closed at one end by an end wall forming part of the housing (12) of the master cylinder (10) and at the other, opposite end by a closure element (16),
 - a piston (18), which is guided in the bore (14) and extends in a sealing and axially displaceable manner through the closure element (16), and
 - a central valve (20), which is formed on the piston (18) and enables a fluid connection between a fluid reservoir and a pressure chamber (28) delimited in the bore (14) by the end wall and the piston (18) and which in the non-actuated state of the piston (18) is held in open position by an abutment component (34) abutting a stop element (40), wherein the closure element (16) is formed by two annular, axially mutually adjoining parts (42, 44), which are releasably connected to one another and of which the first part (42) facing the bore (14) is made of an elastomer material and the second part (44) remote from the bore (14) is made of a rigid material, and wherein the part (44) of the closure element (16) remote from the bore (14) has at least two compliant detent arms (59), which interact with a detent groove (67) formed in the inner periphery of the bore (14),
- characterized in that each detent arm (59) in the interior of the bore (14) comprises a first portion, which extends in axial direction away from the bore (14), and a detent portion (65), which projects radially outwards from the first portion, wherein the detent portion (65) extends substantially at right angles to the first portion, and wherein the stop element (40) is in contact with an end face of the part (42) of the closure element (16) made of an elastomer material.
2. Master cylinder according to claim 1,
- characterized in that the detent arms (59) are formed integrally with the part (44) remote from the bore (14).

3. Master cylinder according to one of claims 1 or 2,
characterized in that the first portion of all detent arms (59) is formed by a
hollow-cylindrical wall portion (72), which extends from a base (58) of the part
(44) made of rigid material remote from the bore (14) in axial direction away
5 from the bore (14).
4. Master cylinder according to one of claims 1 or 2,
characterized in that the detent arms (59) are formed in a hollow-cylindrical
extension (50) of the part (44) made of rigid material, which extension (50) is
10 guided on an actuating extension (38) of the piston (18).